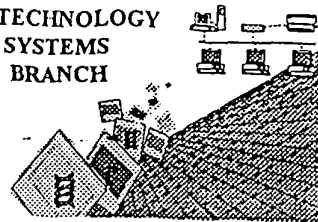


ep

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/644,052  
Source: OIP  
Date Processed by STIC: 8-25-03

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

101644,052

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 X Variable Length      Sequence(s) 17 contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i)          SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>      Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIEP

## RAW SEQUENCE LISTING

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,052

TIME: 14:09:43

Input Set : A:\C01037.70048.US seq.txt

Output Set: N:\CRF4\08252003\J644052.raw

3 <110> APPLICANT: Krieg, Arthur M  
 4 Samulowitz, Ulrike  
 5 Vollmer, Joerg  
 6 Uhlmann, Eugen  
 7 Jurk, Marion  
 8 Lipford, Grayson  
 9 Rankin, Robert  
 11 <120> TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACIDS  
 13 <130> FILE REFERENCE: C01037.70048.US  
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/644,052  
 C--> 16 <141> CURRENT FILING DATE: 2003-08-19  
 18 <150> PRIOR APPLICATION NUMBER: US 60/404,479  
 19 <151> PRIOR FILING DATE: 2002-08-19  
 21 <150> PRIOR APPLICATION NUMBER: US 60/447,377  
 22 <151> PRIOR FILING DATE: 2003-02-14  
 24 <150> PRIOR APPLICATION NUMBER: US 60/404,820  
 25 <151> PRIOR FILING DATE: 2002-08-19  
 27 <160> NUMBER OF SEQ ID NOS: 388  
 29 <170> SOFTWARE: PatentIn version 3.2  
 31 <210> SEQ ID NO: 1  
 32 <211> LENGTH: 17  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Artificial sequence  
 36 <220> FEATURE:  
 38 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 40 <400> SEQUENCE: 1  
 41 acgtcggtttt cgtcgtt  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 16  
 46 <212> TYPE: DNA  
 47 <213> ORGANISM: Artificial sequence  
 49 <220> FEATURE:  
 51 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 53 <400> SEQUENCE: 2  
 54 gcgtcgacgt cgacgc  
 57 <210> SEQ ID NO: 3  
 58 <211> LENGTH: 16  
 59 <212> TYPE: DNA  
 60 <213> ORGANISM: Artificial sequence  
 62 <220> FEATURE:  
 64 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 66 <400> SEQUENCE: 3  
 67 gcgtcggtttt cgtcgc

**Does Not Comply  
Corrected Diskette Needed**

P.4

17

16

16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/644,052

DATE: 08/25/2003

TIME: 14:09:43

Input Set : A:\C01037.70048.US seq.txt

Output Set: N:\CRF4\08252003\J644052.raw

```

68 <210> SEQ ID NO: 4
69 <211> LENGTH: 19
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial sequence
73 <220> FEATURE:
75 <223> OTHER INFORMATION: Oligodeoxynucleotide
77 <400> SEQUENCE: 4
78 tccatgacgt tcctgatgc 19
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 17
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial sequence
86 <220> FEATURE:
88 <223> OTHER INFORMATION: Oligodeoxynucleotide
90 <400> SEQUENCE: 5
91 tcgtcggtttt cgtcggt 17
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 22
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial sequence
99 <220> FEATURE:
101 <223> OTHER INFORMATION: Oligodeoxynucleotide
103 <400> SEQUENCE: 6
104 tcgtcggtttt cggcgccgc cg 22
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 17
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
114 <223> OTHER INFORMATION: Oligodeoxynucleotide
116 <400> SEQUENCE: 7
117 tcgtcggtttt cgtcggt 17
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 16
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial sequence
125 <220> FEATURE:
127 <223> OTHER INFORMATION: Oligodeoxynucleotide
130 <400> SEQUENCE: 8
131 tcgtcggtttc gtcggt 16
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 17
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial sequence
139 <220> FEATURE:
141 <223> OTHER INFORMATION: Oligodeoxynucleotide
143 <400> SEQUENCE: 9
144 tcgtcggtttt cgtcggt 17
147 <210> SEQ ID NO: 10

```

## RAW SEQUENCE LISTING

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,052

TIME: 14:09:43

Input Set : A:\C01037.70048.US seq.txt

Output Set : N:\CRF4\08252003\J644052.raw

```

148 <211> LENGTH: 17
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial sequence
152 <220> FEATURE:
154 <223> OTHER INFORMATION: Oligodeoxynucleotide
156 <400> SEQUENCE: 10
157 tcgtcgtttt cgtcggtt 17
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 17
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial sequence
165 <220> FEATURE:
167 <223> OTHER INFORMATION: Oligodeoxynucleotide
169 <400> SEQUENCE: 11
170 tcgtcgtttt cgtcggtt 17
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 24
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial sequence
178 <220> FEATURE:
180 <223> OTHER INFORMATION: Oligodeoxynucleotide
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (3)..(3)
186 <223> OTHER INFORMATION: dezaguanine
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (6)..(6)
191 <223> OTHER INFORMATION: dezaguanine
W--> 192 <400> SEQUENCE: 12
W--> 193 tcntcntttt gtcgttttgt cggtt 24
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 24
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
203 <223> OTHER INFORMATION: Oligodeoxynucleotide
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (3)..(3)
209 <223> OTHER INFORMATION: dezaguanine
211 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
213 <222> LOCATION: (22)..(22)
214 <223> OTHER INFORMATION: dezaguanine
216 <400> SEQUENCE: 13
W--> 217 tcntcgtttt gtcgttttgt cntt 24
220 <210> SEQ ID NO: 14
221 <211> LENGTH: 22

```

## RAW SEQUENCE LISTING

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,052

TIME: 14:09:43

Input Set : A:\C01037.70048.US seq.txt

Output Set: N:\CRF4\08252003\J644052.raw

222 <212> TYPE: DNA  
 223 <213> ORGANISM: Artificial sequence  
 225 <220> FEATURE:  
 227 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 229 <400> SEQUENCE: 14  
 230 tcgccgtttt cggcggccgc cg 22  
 233 <210> SEQ ID NO: 15  
 234 <211> LENGTH: 21  
 235 <212> TYPE: DNA  
 236 <213> ORGANISM: Artificial sequence  
 238 <220> FEATURE:  
 240 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 242 <400> SEQUENCE: 15  
 243 tcgtcgtttt acgacgtcgc g 21  
 246 <210> SEQ ID NO: 16  
 247 <211> LENGTH: 21  
 248 <212> TYPE: DNA  
 249 <213> ORGANISM: Artificial sequence  
 251 <220> FEATURE:  
 253 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 W--> 254 <400> SEQUENCE: 16  
 255 tcgtcgtttt acgacgtcgt g 21  
 258 <210> SEQ ID NO: 17  
 259 <211> LENGTH: 24  
 260 <212> TYPE: DNA  
 261 <213> ORGANISM: Artificial sequence  
 263 <220> FEATURE:  
 265 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 267 <400> SEQUENCE: 17  
 268 tcgtcgtttt acggcgccgc gccg 24  
 271 <210> SEQ ID NO: 18  
 272 <211> LENGTH: 16  
 273 <212> TYPE: DNA  
 274 <213> ORGANISM: Artificial sequence  
 276 <220> FEATURE:  
 278 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 280 <220> FEATURE:  
 281 <221> NAME/KEY: misc\_feature  
 282 <222> LOCATION: (1)..(1)  
 283 <223> OTHER INFORMATION: N is a, c, g, or t with a phosphorothioate link, 3-10  
 nucleotides  
 285 <220> FEATURE:  
 286 <221> NAME/KEY: misc\_feature  
 287 <222> LOCATION: (2)..(2)  
 288 <223> OTHER INFORMATION: N is a, c, g, or t, 0-20 nucleotides  
 290 <220> FEATURE:  
 291 <221> NAME/KEY: misc\_feature  
 292 <222> LOCATION: (15)..(15)  
 293 <223> OTHER INFORMATION: N is a, c, g, or t, 0-20 nucleotides  
 295 <220> FEATURE:

See item  
 5 on error  
 summary  
 report.

## RAW SEQUENCE LISTING

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,052

TIME: 14:09:43

Input Set : A:\C01037.70048.US seq.txt

Output Set: N:\CRF4\08252003\J644052.raw

296 <221> NAME/KEY: misc\_feature  
 297 <222> LOCATION: (16)..(16)  
 298 <223> OTHER INFORMATION: N is a, c, g, or t with a phosphorothioate link, 3-10  
 nucleotides  
 300 <400> SEQUENCE: 18  
**W--> 301 nngtcggttgc cggttnn** 16  
 304 <210> SEQ ID NO: 19  
 305 <211> LENGTH: 28  
 306 <212> TYPE: DNA  
 307 <213> ORGANISM: Artificial sequence  
 309 <220> FEATURE:  
 311 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 313 <220> FEATURE:  
 314 <221> NAME/KEY: misc\_feature  
 315 <222> LOCATION: (1)..(1)  
 316 <223> OTHER INFORMATION: N is a, c, g, or t, with a phosphorothioate link, 3-10  
 317 nucleotides  
 319 <220> FEATURE:  
 320 <221> NAME/KEY: misc\_feature  
 321 <222> LOCATION: (2)..(2)  
 322 <223> OTHER INFORMATION: N is a, c, g, or t, 0-20 nucleotides  
 324 <220> FEATURE:  
 325 <221> NAME/KEY: misc\_feature  
 326 <222> LOCATION: (27)..(27)  
 327 <223> OTHER INFORMATION: N is a, c, g, or t, 0-20 nucleotides  
 329 <220> FEATURE:  
 330 <221> NAME/KEY: misc\_feature  
 331 <222> LOCATION: (28)..(28)  
 332 <223> OTHER INFORMATION: N is a, c, g, or t, with a phosphorothioate link, 3-10  
 333 nucleotides  
 335 <400> SEQUENCE: 19  
**W--> 336 nngtcggttgc cggttcggtt gtcgtnn** 28  
 339 <210> SEQ ID NO: 20  
 340 <211> LENGTH: 34  
 341 <212> TYPE: DNA  
 342 <213> ORGANISM: Artificial sequence  
 344 <220> FEATURE:  
 346 <223> OTHER INFORMATION: Oligodeoxynucleotide  
 348 <220> FEATURE:  
 349 <221> NAME/KEY: misc\_feature  
 350 <222> LOCATION: (1)..(1)  
 351 <223> OTHER INFORMATION: N is a, c, g, or t, with a phosphorothioate link, 3-10  
 352 nucleotides  
 354 <220> FEATURE:  
 355 <221> NAME/KEY: misc\_feature  
 356 <222> LOCATION: (2)..(2)  
 357 <223> OTHER INFORMATION: N is a, c, g, or t, 0-20 nucleotides  
 359 <220> FEATURE:  
 360 <221> NAME/KEY: misc\_feature  
 361 <222> LOCATION: (33)..(33)

## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 08/25/2003

PATENT APPLICATION: US/10/644,052

TIME: 14:09:44

Input Set : A:\C01037.70048.US seq.txt

Output Set: N:\CRF4\08252003\J644052.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; N Pos. 3,6  
Seq#:13; N Pos. 3,22  
Seq#:18; N Pos. 1,2,15,16  
Seq#:19; N Pos. 1,2,27,28  
Seq#:20; N Pos. 1,2,33,34  
Seq#:28; N Pos. 6,19  
Seq#:51; N Pos. 11,14  
Seq#:57; N Pos. 1,2,39,40  
Seq#:58; N Pos. 19,22  
Seq#:60; N Pos. 10  
Seq#:61; N Pos. 10  
Seq#:66; N Pos. 7,8,9,15,16,17,18  
Seq#:74; N Pos. 4,18,20  
Seq#:272; N Pos. 10  
Seq#:273; N Pos. 10  
Seq#:274; N Pos. 10  
Seq#:277; N Pos. 4,18,20  
Seq#:278; N Pos. 4,18,20  
Seq#:279; N Pos. 7,8,9,15,16,17,18  
Seq#:280; N Pos. 7,8,9,15,16,17,18  
Seq#:296; N Pos. 13,16  
Seq#:301; N Pos. 7,14,17  
Seq#:302; N Pos. 6,13,16  
Seq#:303; N Pos. 6,13,16  
Seq#:306; N Pos. 7,8,9,12,15,16,17,20  
Seq#:307; N Pos. 7,8,9,12,15,16,17,20  
Seq#:308; N Pos. 12,20  
Seq#:309; N Pos. 7,8,9,15,16,17  
Seq#:311; N Pos. 4,7,8,11  
Seq#:312; N Pos. 4,7,8,11,12,15  
Seq#:315; N Pos. 6,13  
Seq#:318; N Pos. 4,5,8,9,14  
Seq#:331; N Pos. 4,5,8,9,14  
Seq#:332; N Pos. 6,13  
Seq#:378; N Pos. 1,8,9,10,11,12,13,14,15,16,17,18,19,20  
Seq#:379; N Pos. 1,8,9,10,11,12,13,14,15,16,17,18,19,20  
Seq#:380; N Pos. 1,8,9,10,11,12,13,14,15,16,17,18,19  
Seq#:381; N Pos. 1,8,9,10,11,12,13,14,15,16,17,18,19  
Seq#:382; N Pos. 1,8,9,10,11,12  
Seq#:383; N Pos. 1,8,9,10,11,12  
Seq#:384; N Pos. 1,10,11,12  
Seq#:385; N Pos. 1,10,11,12



**VERIFICATION SUMMARY**PATENT APPLICATION: **US/10/644,052**

DATE: 08/25/2003

TIME: 14:09:44

Input Set : **A:\C01037.70048.US seq.txt**Output Set: **N:\CRF4\08252003\J644052.raw**

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:192 M:283 W: Missing Blank Line separator, <400> field identifier  
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:254 M:283 W: Missing Blank Line separator, <400> field identifier  
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:378 M:283 W: Missing Blank Line separator, <220> field identifier  
L:484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:750 M:283 W: Missing Blank Line separator, <220> field identifier  
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0  
L:812 M:283 W: Missing Blank Line separator, <220> field identifier  
L:874 M:283 W: Missing Blank Line separator, <220> field identifier  
L:891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
L:915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0  
L:946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0  
L:998 M:283 W: Missing Blank Line separator, <220> field identifier  
L:1040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0  
L:1060 M:283 W: Missing Blank Line separator, <220> field identifier  
L:1158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0  
L:1308 M:283 W: Missing Blank Line separator, <220> field identifier  
L:1618 M:283 W: Missing Blank Line separator, <220> field identifier  
L:1928 M:283 W: Missing Blank Line separator, <220> field identifier  
L:2238 M:283 W: Missing Blank Line separator, <220> field identifier  
L:2548 M:283 W: Missing Blank Line separator, <220> field identifier  
L:2858 M:283 W: Missing Blank Line separator, <220> field identifier  
L:3168 M:283 W: Missing Blank Line separator, <220> field identifier  
L:3478 M:283 W: Missing Blank Line separator, <220> field identifier  
L:3723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:272 after pos.:0  
L:3742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273 after pos.:0  
L:3761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:274 after pos.:0  
L:3813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277 after pos.:0  
L:3842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:0  
L:3865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279 after pos.:0  
L:3888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:280 after pos.:0  
L:3912 M:283 W: Missing Blank Line separator, <400> field identifier  
L:4036 M:283 W: Missing Blank Line separator, <220> field identifier  
L:4104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296 after pos.:0  
L:4185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301 after pos.:0  
L:4213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302 after pos.:0  
L:4240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:303 after pos.:0  
L:4300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:0  
L:4333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:307 after pos.:0  
L:4357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:308 after pos.:0  
L:4380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309 after pos.:0

**VERIFICATION SUMMARY**PATENT APPLICATION: **US/10/644,052**

DATE: 08/25/2003

TIME: 14:09:44

Input Set : **A:\C01037.70048.US seq.txt**Output Set: **N:\CRF4\08252003\J644052.raw**

L:4421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311 after pos.:0  
L:4454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:312 after pos.:0  
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:315 after pos.:0  
L:4557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:318 after pos.:0  
L:4594 M:283 W: Missing Blank Line separator, <400> field identifier  
L:4718 M:283 W: Missing Blank Line separator, <220> field identifier  
L:4738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331 after pos.:0  
L:4761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332 after pos.:0  
L:4780 M:283 W: Missing Blank Line separator, <220> field identifier  
L:5090 M:283 W: Missing Blank Line separator, <220> field identifier  
L:5362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:0  
L:5385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:379 after pos.:0  
L:5408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:0  
L:5431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:0  
L:5454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:0  
L:5477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:383 after pos.:0  
L:5500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:384 after pos.:0  
L:5523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:385 after pos.:0